

AMENDMENTS TO THE CLAIMS

A Listing of Claims is provided as follows and will replace any previous listing.
No new matter has been added.

Listing of Claims:

1. (Previously Presented) A method for purifying a target protein from a protein solution containing the target protein by using liquid chromatography, wherein the target protein is glucose dehydrogenase derived from a microorganism belonging to the genus *Burkholderia* and has α , β , γ subunits, the liquid chromatography comprising:

a first step of introducing the protein solution into a column filled with a packing agent, the packing agent holding the target protein, the packing agent being an ion-exchange resin containing a quaternary ammonium group as an ion-exchange group; and

a second step of eluting the target protein by using an eluent containing a hydroxy-cholate.

2-5. (Canceled)

6. (Previously Presented) The method for purifying protein according to Claim 1, wherein the β subunit of the glucose dehydrogenase provides electron transfer activity and has a molecular weight of approximately 43 kDa in SDS-gel electrophoresis under a reducing environment, and

the α subunit of the glucose dehydrogenase provides glucose dehydrogenation activity and has a molecular weight of approximately 60 kDa in SDS-gel electrophoresis under a reducing environment.

7. (Previously Presented) The method for purifying protein according to Claim 1, wherein the hydroxy-cholate comprises a sodium cholate.

8. (Previously Presented) The method for purifying protein according to Claim 1, wherein the hydroxy-cholate in the eluent is maintained at a constant concentration during the elution of the target protein from the packing agent.

9. (Original) The method for purifying protein according to Claim 8, wherein the concentration of the hydroxy-cholate in the eluent is selected from a range of 0.5 through 2.5 wt%.

10. (Canceled)

11. (Previously Presented) The method for purifying protein according to Claim 1, wherein the microorganism is *Burkholderia cepacia* KS1 strain (FERM BP-7306).

12. (Previously Presented) The method for purifying protein according to Claim 1, wherein the glucose dehydrogenase is produced by a transformant,
the transformant being produced by engineering a host microorganism with DNA from a microorganism belonging to the genus *Burkholderia* encoding the α , β , and γ subunits.

13. (Previously Presented) The method for purifying protein according to Claim 12, wherein the host microorganism is *Pseudomonas putida*.

14. (Previously Presented) The method for purifying protein according to Claim 12, wherein the host microorganism is *E. coli* bacterium.

15-23. (Canceled)

24. (Previously Presented) The method for purifying protein according to Claim 1, wherein the α and γ subunits of the glucose dehydrogenase provide glucose dehydrogenation activity and the γ subunit has a molecular weight of approximately 14 kDa in SDS-gel electrophoresis under a reducing environment.

25. (New) The method for purifying protein according to claim 1, wherein the first step using the ion-exchange resin is performed in a non-acidic condition.

26. (New) The method for purifying protein according to claim 1, wherein the first step using the ion-exchange resin is performed at pH 8.